

# Converting Colors

XYZ(26.4068, 40.1973, 37.0202)

Have a look what the booklet for  
XYZ(26.4068, 40.1973, 37.0202)  
contains.

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# Color

**XYZ(26.4262, 40.2838,  
36.9546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41BE9A
RGB	65, 190, 154
RGB Percent	25%, 75%, 60%
CMY	0.7451, 0.2549, 0.3961
CMYK	0.66, 0.00, 0.19, 0.25
HSL	163°, 49%, 50%
HSV	163°, 66%, 75%
XYZ	26.4262, 40.2838, 36.9546
YIQ	148.5210, -62.9440, -37.6960

# Conversions

## Conversions Part 2

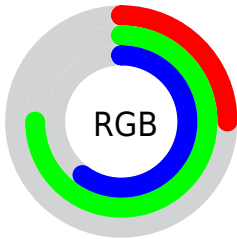
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">65, 138, 190</a>
Decimal	<a href="#">4308634</a>
CIELab	<a href="#">69.67, -42.93, 8.20</a>
CIELCh	<a href="#">70, 43.710, 169.186</a>
Yxy	<a href="#">40.2838, 0.2549, 0.3886</a>
Android (android.graphics.Color)	<a href="#">4282498714 (0xFF41BE9A)</a>
YUV	<a href="#">148.5210, 2.7011, -73.2479</a>
Hunter-Lab	<a href="#">63.4695, -36.7513, 9.9076</a>

# Details

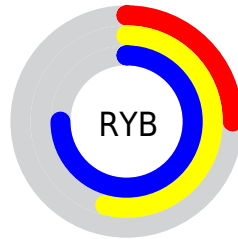
The XYZ color **26.4262, 40.2838, 36.9546** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.4759, 15.6685, 13.9953**, and the grayscale version is **28.3751, 29.8528, 32.5097**.

A 20% lighter version of the original color is **53.3983, 75.5876, 71.4500**, and **11.2523, 18.5876, 15.8267** is the 20% darker color. If you saturate the color by 10%, you get **24.9284, 39.5641, 34.5599**, and if you desaturate by 10%, it is **28.3700, 41.2330, 39.4805**.

# Distribution



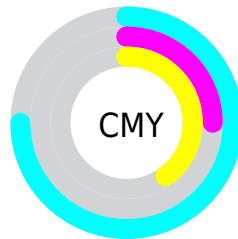
- Red (25%)
- Green (75%)
- Blue (60%)



- Red (25%)
- Yellow (54%)
- Blue (75%)



- Cyan (66%)
- Magenta (0%)
- Yellow (19%)
- Black (25%)




- Cyan (75%)
- Magenta (25%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.4262, 40.2838, 36.9546 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 26.4262, 40.2838, 36.9546 by changing the saturation by 10% instead.





 26.4262, 40.2838,  
36.9546


 26.4262, 40.2838,  
36.9546


277.0865,  
347.3183, 348.2767


 17.2771, 27.7599,  
24.8768


 53.3881, 75.5955,  
71.6885


 10.5288, 18.1447,  
15.7671


 71.9317, 99.1520,  
95.1817


 5.8159, 11.0540,  
9.2070


 94.3374, 127.1549,  
123.3172

 2.7730, 6.1031,  
4.7778

 120.9707,  
159.9886, 156.5134

 1.0349, 2.9079,  
2.0610

 152.1969,  
198.0373, 195.1889

 0.0000, 1.0838,  
0.5924

188.3814,

 0.0000, 0.0000,

241.6856, 239.7622

0.0000

229.8895,  
291.3178, 290.6520

■ 26.4262, 40.2838,  
36.9546

■ 26.4262, 40.2838,  
36.9546

■ 24.9284, 39.5641,  
34.5599

■ 28.3700, 41.2330,  
39.4805

■ 23.8285, 39.0462,  
32.2899

■ 30.7950, 42.4268,  
42.1379

■ 23.0717, 38.7029,  
30.1417

■ 33.7364, 43.8844,  
44.9307

■ 22.8070, 38.5854,  
29.2704

■ 37.2255, 45.6218,  
47.8618

■ 41.2906, 47.6537,  
50.9338

■ 45.9583, 49.9936,  
54.1492

■ 51.2535, 52.6545,  
57.5105

■ 57.1995, 55.6483,  
61.0201

■ 63.8186, 58.9864,  
64.6802

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8927, 40.2838, 23.0167



26.4262, 40.2838, 36.9546



26.8295, 40.2838, 57.9438

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



26.4262, 40.2838, 36.9546



42.9329, 40.2838, 91.8740



47.8804, 40.2838, 20.4994

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



26.4262, 40.2838, 36.9546



25.4759, 15.6685, 13.9953

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.6187, 40.2838, 32.2696



26.4262, 40.2838, 36.9546



49.5281, 40.2838, 74.5527

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



26.4262, 40.2838, 36.9546



35.7938, 40.2838, 94.3038



53.2563, 40.2838, 51.5811



40.8966, 40.2838, 15.6548



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



26.4262, 40.2838, 36.9546



28.6874, 40.2838, 73.3522



53.2563, 40.2838, 51.5811



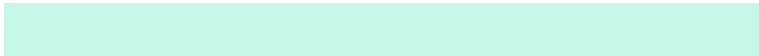
49.8235, 40.2838, 23.5725

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



26.4273, 40.2854, 36.9555



71.3475, 84.6143, 89.7388



24.9053, 40.0643, 11.4224



15.2133, 18.3537, 19.3594



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.4273, 40.2854, 36.9555



44.1928, 71.2290, 60.7498



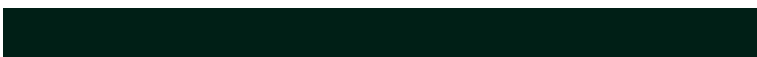
24.9307, 31.7534, 53.5320



9.6882, 10.7614, 11.6077



15.2001, 25.6703, 19.6483



0.6224, 1.0163, 0.9117



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.4759, 15.6685, 13.9953



42.4255, 23.3763, 16.5259



25.8468, 18.6424, 7.2379



9.6401, 9.5804, 10.4940



14.6043, 7.4729, 3.2097

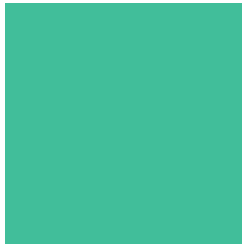


0.6014, 0.3044, 0.2802



# Previews

## White Background



This preview shows how the XYZ color 26.4262, 40.2838, 36.9546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.4262, 40.2838, 36.9546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.4262, 40.2838, 36.9546**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.4262, 40.2838, 36.9546.



This preview shows how white text looks on a background with the XYZ color 26.4262, 40.2838,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

26.4262, 40.2838, 36.9546

### Protanopia

37.3207, 39.4534, 31.6349

### Deuteranopia

40.4286, 39.5513, 38.7610



## Tritanopia

31.1054, 40.2893, 60.1700

# Trichromacy



## Original Color

26.4262, 40.2838, 36.9546



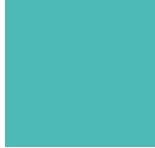
## Protanomaly

31.1083, 38.4756, 33.3907



## Deuteranomaly

32.6167, 38.2851, 38.0184



## Tritanomaly

29.1667, 40.1145, 51.0054

# Monochromacy



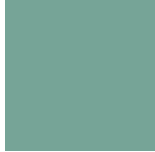
## Original Color

26.4262, 40.2838, 36.9546



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

26.3326, 32.6368, 34.1898

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.4262, 40.2838, 36.9546 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(65, 190, 154)` looks like.

```
.text, #text, p{  
    color:rgb(65, 190, 154)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(65, 190, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 190, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 26.4262, 40.2838, 36.9546 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 190, 154) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(65, 190, 154) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(65, 190, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 190, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 190, 154);  
box-shadow:4px 4px 4px 4px rgb(65, 190,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.4262, 40.2838, 36.9546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 190, 154) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(65, 190,  
154) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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